



**The most efficient
desiccant rotor.**

ProFlute product brochure

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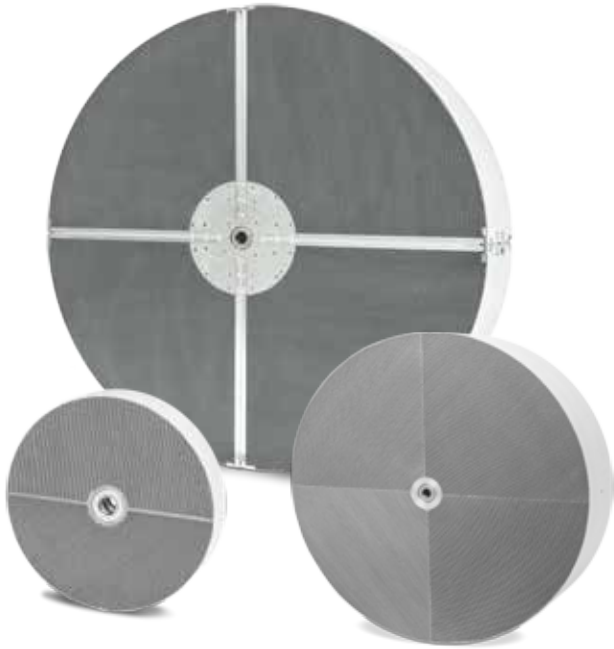
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The leading desiccant rotor supplier

In two decades we have provided more than 200 000 rotors to the global OEM-market within the industrial, air handling and plastic business. With our experience and engineering skills we can offer superior products and give excellent service to our customers.



Industrial Applications

Our rotors are installed in many different industrial applications all around the world and its adaptability allows us to meet the individual needs. From an energy, efficiency and availability perspective, our rotors become the most optimal solution for a wide variety of industries, such as:

- Pharmaceutical manufacturing
- Food production & processing
- Shipbuilding & Marine
- Electrical components manufacturing
- Petro chemical manufacturing

Commercial Applications

Proflute utilize the desiccant technology to control humidity in a wide variety of applications. Air handling OEMs choose our rotors because of its energy and efficiency attributes which allow their systems to maintain the desired relative humidity levels in the facilities, to improve the indoor air quality and to keep mold and bacteria away. Desiccant Cooling and Passive Dehumidification are examples of methods used for these kinds of applications.



Plastic Applications

The plastic industry is steadily growing which increases the demand for high quality products. The presence of moisture in the production and processing of plastic materials may seriously affect the quality of the final product. The Proflute rotor can create this perfect environment for these kinds of applications - dry air in and even dryer air out. Hopper dryers and Mould dryers are typical units to use the ProFlute rotor.

Our rotor product range

ProFlute provides tailor made rotors and cassettes including drive system to manufacturers of dehumidifiers and air-handling units. We can produce rotor in sizes from 150x50 mm to 4500 x 400 mm and everything in between. Galvanized or Stainless Steel are both available. We have different rotor material options to make a wide range of dehumidification available.

Product Program

Desiccant Silica Gel Rotor – PPS

ProFlute's standard rotor - The PPS rotor is intended for use in dehumidifiers and desiccant cooling systems, and has a high content of active silica gel.

Desiccant Silica Gel Rotors – PPX

The PPX silica gel rotor is intended for use in dehumidifiers where the process air has very high moisture content and needs extraordinary reduction of the moisture content.

Desiccant MolSieve Rotors - PPP

The PPP molecular sieve rotor is intended for use in dehumidifier applications where entering air is dry and/or hot, and where the processed dry air must be even dryer. Typical in plastic hopper dryers.

Desiccant Rotors with Activated Carbon - PPC

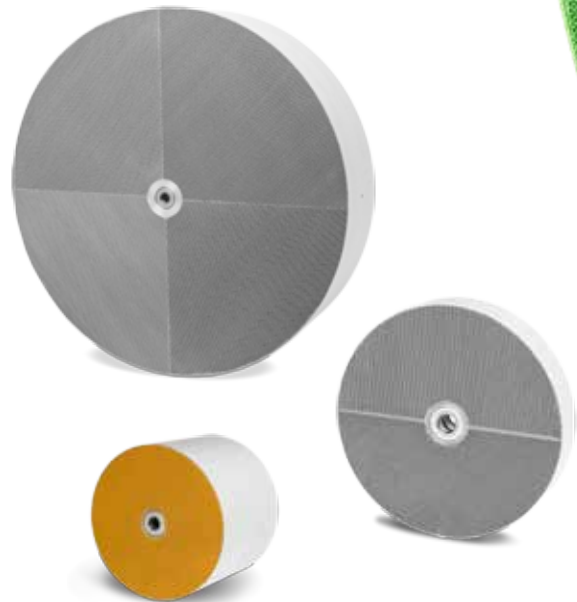
Media customized for high moisture removal for lower regeneration temperature and contains activated carbon to minimize cross contamination. These properties makes PPC media beneficially for applications using for example passive dehumidification.

Desiccant VOC Rotors - PPV

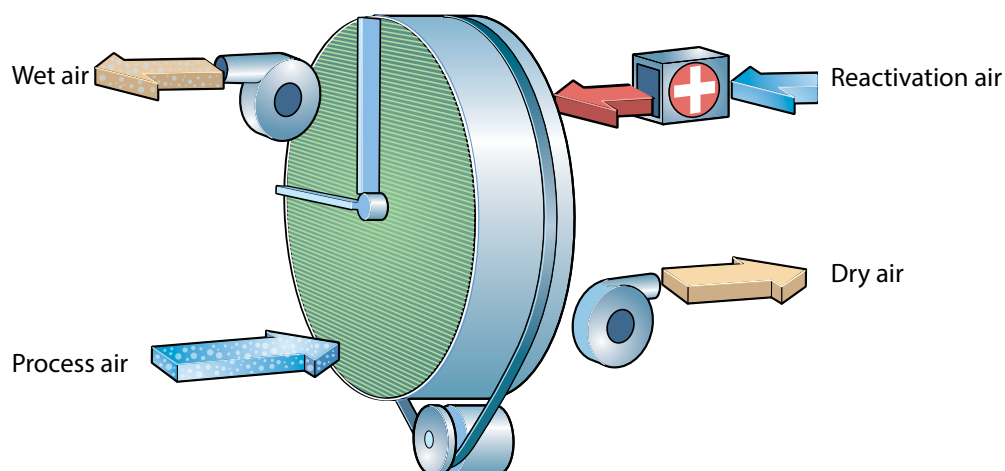
New developed media intended to remove both moisture and some VOC, such as NMP (N-Methyl-2-Pyrrolidone). For example used in applications for lithium-ion battery manufacturing.

Cassettes and Components

Apart from our rotors, we also produce high-quality cassettes containing all the essential parts you need: seals, drive motors with tension systems, and drive belts. These low density cassettes have optimal strength, and can be supplied in galvanized or stainless steel. For energy saving or low dew point application, the cassettes are fitted with purge section.



The Desiccant Rotor Principle



ProFlute was founded in 1998 in Stockholm, Sweden, by four visionary engineers wanting to develop and produce the best desiccant siligca gel rotors in the world for the OEM industry. Today, ProFlute is the technology leader in its market segment, manufacturing world class products. The rotors and cassettes are manufactured in our state of the art factory using advanced technology by our skilled professionals. All rotor material leaving the factory is approved in the process.

ProCalc v3.0

is our own developed calculation software. With this tool you can easily calculate the dehumidification capacity needed at different work modes when designing a new dehumidifier system.



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